

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

NATHAN COHEN

Serial No.: Not Yet Known

Filing Date: 14 August 2000

For: TUNING FRACTAL ANTENNAS
AND FRACTAL RESONATORS

Examiner: Not Yet Known

Art Unit: Not Yet Known

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TYPED NAME Vincent DIAZ

SIGNED

Vincent M. Diaz

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to examination of the within continuing application, please preliminarily
amend this application as follows:

IN THE CLAIMS:

Please cancel claims 2-20, and amend claim 1 as follows:

1. (amended) An antenna system comprising:

a first fractal antenna [having an element that is defined substantially
as a deterministic fractal of iteration $N \geq 2$ for at least a portion of said element,
said first antenna being characterized in space by at least one resonant
frequency and by a bandwidth] including a first element having a portion that